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DOCKET: CU-1516

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANT: Terumi SUNAGA

SERIAL NO: 08/820,608

FILED: March 19, 1997

TITLE: SPREAD SPECTRUM COMMUNICATION  
TRANSMITTER AND RECEIVER, AND  
CDMA MOBILE COMMUNICATION  
SYSTEM

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)  
) Group Art Unit: 2732  
)  
) Examiner: K. Vanderpuye  
)

THE ASSISTANT COMMISSIONER FOR PATENTS  
Box CPA  
Washington, D.C. 20231

**PRELIMINARY AMENDMENT**

Dear Sir:

In response to the Advisory Action (Paper No. 11) dated January 4, 1999, the Applicant is filing the present preliminary amendment in conjunction with a Continued Prosecution Application (CPA) and a Request for a two month extension. The Applicant requests that the previously filed Response after final, dated November 11, 1998, be entered and considered in conjunction with the present preliminary amendment.

**IN THE CLAIMS**

Please amend the claims as follows:

~~504~~ (Twice Amended) A transmitter used in a CDMA mobile communication system comprising:

a pilot channel transmit unit which intermittently transmits a pilot signal in a spread spectrum formation, wherein the pilot signal is intermittently transmitted in synchronism with other transmitters which transmit pilot signals; and

traffic channel transmit units which respectively transmit data signals in respective traffic channels while the pilot signal is intermittently transmitted.

~~504~~ (Twice Amended) A receiver used in a CDMA mobile communication system comprising:

a pilot channel receive unit which demodulates pilot signals respectively transmitted intermittently in a spread spectrum formation by transmitters, wherein each of the pilot signals is intermittently transmitted in synchronism with other

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